

Dr Alastair M. M. Baylis
e-mail: al_baylis@yahoo.com.au

QUALIFICATIONS

- **Postgraduate Certificate** (2012-2014). Veterinary Conservation Medicine, Murdoch University, Australia.
 - **PhD** (2004 – 2008). University of Adelaide, Adelaide South Australia. Dissertation: Seasonal and colony differences in the foraging ecology of New Zealand fur seals.
 - **Hons** (2003). Honours degree (cum laude 2004) LaTrobe University, Melbourne, Victoria. Thesis topic: '*Ontogeny of diving in New Zealand fur seal pups*'.
 - **B.Sc.** (1999-2002). Zoology major. University of Tasmania, Hobart, Tasmania.
-

PROFESSIONAL EXPERIENCE

I am a pinniped biologist with a broad interest in the ecology and conservation biology of marine predators. My PhD (2004-2008) identified critical foraging habitats of New Zealand fur seals, while my Postgraduate Certificate in Veterinary Conservation Medicine (2014) reflects expertise in pinniped anaesthesia. My post-PhD employment experience between 2008 and 2011 was principally management rather than research focused (South Atlantic seabirds, fisheries and grass roots conservation). Since 2012, I have focus on research and the main thrust of my research effort in recent years has been to develop unique and multidisciplinary projects on little studied pinniped populations breeding at the Falkland Islands and Iceland, in collaboration with colleagues from around the world. This research includes understanding the processes governing past changes in population abundance, and the ecological, genetic and conservation consequences of historical population crashes. To achieve my research objectives, I combine healthy doses of field and laboratory work, with time spent exploring archives.

RECENT PROFESSIONAL APPOINTMENTS

- Research Associate (movement ecology and hydrocarbons). South Atlantic Environmental Research Institute, Falklands (2017 – present)
 - Research Associate, Icelandic Seal Centre, Iceland (2016 –2017)
 - Associate Research Fellow in Marine Science, Deakin University, Warrnambool, Australia (2012 –2015)
 - Conservation Officer, Falklands Conservation, Stanley, Falkland Islands (2008 –2012)
-

PEER REVIEWED PUBLICATIONS

I have published 33 manuscripts (17 first author). According to [Google Scholar](#) (July 2017), my publications have been cited 495 times with most citations (> 80 %) since 2012. I have an h-index of 13 and I am the most published author on South American sea lion movement ecology. For a full list of publications please visit my [personal webpage](#)

Peer-Reviewed publications (2015 and 2016 only)

30. **Baylis AMM**, et al. (2016). Contrasting patterns of sexual segregation in a highly dimorphic marine predator. *Marine Ecology Progress Series* doi: 10.3354/meps11759 [PDF](#)

29. **Baylis AMM**, et al. (2016). Pup vibrissae stable isotopes reveal geographic differences in adult female southern sea lion habitat use during gestation. *PlosOne* 11(6): e0157394. doi:10.1371/journal.pone.0157394 [PDF](#)
28. Huckstadt L, et al. (2016) Regional variability in diving physiology and behavior in a widely distributed air-breathing marine predator, the South American sea lion *Otaria byronia*. *Journal of Experimental Biology* doi: 10.1242/jeb.138677 [PDF](#)
27. Hoffman JL, et al. (2016) Genetic structure and historical demography of the South American sea lion (*Otaria flavescens*) provide insights into the catastrophic decline of a marine mammal population. *Royal Society Open Science* [PDF](#)
26. Volpov B, et al. (2016). Dive characteristics can predict foraging success in Australian fur seals (*Arctocephalus pusillus doriferus*) as validated by animal-borne video. *Biology Open* doi: 10.1242/bio.016659 [PDF](#)
25. **Baylis AMM**, Orben RA, Arnould JPY, Christiansen F, Hays GC, Staniland IJ (2015). Disentangling the cause of a catastrophic population decline in a large marine mammal. *Ecology* 96: 2834-2847. [PDF](#)
24. **Baylis AMM**, Orben RA, Peters K, Knox T, Arnould J, Costa DP, Staniland IJ (2015). Diving deeper into individual foraging specializations of a large marine predator, southern sea lions. *Oecologia* 179: 1053-1065. [PDF](#)
23. Kernaleguen, L *et al.* (2015). Sexual niche segregation in Australian fur seals. *Plos One* 10(8): e0133018. doi:10.1371/journal.pone.0133018 [PDF](#)
22. Kernaleguen, L *et al.* (2015). From video recordings to whisker stable isotopes: a critical evaluation of time-scale in assessing individual foraging specialisation in Australian fur seals. *Oecologia* DOI: 10.1007/s00442-015-3407-2 [PDF](#)
21. Handley, J, **Baylis AMM**, Brickle P, Pistorious P. (2015). Temporal variation in the diet of Gentoo penguins at the Falkland Islands. *Polar Biology* doi:10.1007/s00300-015-1781-1 [PDF](#)

RECENT RESEARCH GRANTS

2010: Darwin Initiative Challenge Fund, Project AWARE, Joint Nature Conservation Council (US\$53,700).
2011: World Wildlife Fund (US\$34,000).
2012: Shackleton Scholarship Fund, Joint Nature Conservation Council (US\$9,400).
2013: Sea World and Busch Gardens, Rufford Small Grants, Falkland Islands Government ESB, Shackleton Scholarship Fund Centenary Award (US\$29,000).
2014/15: Falkland Islands Government (via SAERI) (US\$90,000).
2015: National Geographic Society (US\$10,000). Winnifred Violet Scott (AU\$33,600).
2016/2017: Shackleton Scholarship Fund; Falkland Islands Government ESB (AU \$10,000), IDEA Wild (equipment grant ATS VHF receiver valued US\$1,800)

ON THE WEB

Twitter: https://twitter.com/al_baylis
 WordPress: <http://albaylis.wordpress.com/>
 Publons: <https://publons.com/author/1227957/alastair-baylis#profile>
 ResearchGate: https://www.researchgate.net/profile/Alastair_Baylis
 GoogleScholar: <http://scholar.google.co.uk/citations?user=LwB8pH8AAAAJ&hl=en>